

13

PROCESSES AND PROPERTIES INDEX

Determination of total alkali metals present as impurities in reagents. E. S. PASHAYAN and R. V. MARVEL (Sborn. Rabot Lab. Inst., 1937, 15, 58-68).—The determination of Na⁺ introduced into various reagents as Na₂SO₄ by pptn. of the reagent cation and subsequent weighing of the H₂O-extracted and calcined filtrate is described. The accuracy is dependent on the anion chosen to ppt. the reagent cation since Na₂SO₄ is adsorbed by different ppts. in varying extent. Thus errors vary for the SO₄²⁻, CO₃²⁻, OH⁻, and S²⁻ by 19, 11, 7, and 4%, respectively. Presence of small quantities of CaSO₄ as impurity invalidates the alkali metal determination owing to the solubility of this salt. D. G.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

PRSHIBIL

HUNGARY/Analytical Chemistry - Analysis of Inorganic Substances E-2

Abs Jour : Ref Zhur - Khiniya, No 3, 1958, No 7583

Author : Prshibil, Kyevesh

Inst : Not Given

Title : Complexometric Determination of Mercury in Mercury Compounds

Orig Pub : Acta pharmac. hung., 1957, 27, No 1-2, 1-4

Abstract : A method is described which is based on the application of xylene orange as an indicator (Ref. Zh. Khim., 1957, 44807). The solution being analyzed, containing 0.01-1 mg. - equiv. of Hg (2+) is diluted to 20-100ml. To that is added a buffer solution (20% sol. of hexamethylene tetramine), 4-6 drops of 0.1% xylene orange solution and titrated with 0.05 - 0.005 M solution of complexone III until the color changes from reddish violet to yellow. By the described method readily dissociating compounds of Hg (sulfate, nitrate) in macro- as well as in micro quantities can be determined easily. In determining chloride the results attained are not accurate, therefore, in this case an excess of AgNO_3 is added beforehand and the titration carried out immediately, otherwise

Card : 1/2

HUNGARY/Analytical Chemistry - Analysis of Inorganic Substances E-2

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, No 7583

the solutions are stored in the dark. The method is applicable also for the determination of metallic Hg and HgO which are dissolved beforehand in HNO_3 .

Card : 2/2

16

HUNGARY/Analytical Chemistry. Analysis of Inorganic Compounds.

F

Abs Jour: Ref. Zhur-Khimiya, No 21, 1958, 70540.

Author : Prshibil, Keresh.

Inst :

Title : A Complexometric Microdetermination of Thorium.

Orig Pub: Magyar kem. folyoirat, 1958, 64, No 2, 55-57.

Abstract: The known complexometric methods for the determination of Th were subjected to a critical examination. A technique for the microdetermination (tenth parts of mg) of Th was worked out. A complexometric indicator Xylene Orange (RZhKhim, 1957, 44807) was used which at a pH from 2-7 forms complex with heavy metals, which are destroyed by Complexone III. To determine Th, the

Card : 1/2

5

KOPANITSA, M. [Kopanica, M.]; KONRADI, G. [Conradi, G.]; PRSHIEL, R.
[Pribil, R.]

Polarographic determination of impurities in indium concentrates.
Zav. lab. 30 no.10:1181-1183 '64. (MIRA 18:4)

Polyarograficheskiy institut AN Chekhoslovatskoy Sotsialisticheskoy
Respubliki, Praga.

PRSHIBIL
HUNGARY/Analytical Chemistry. Inorganic Analysis.

Abs Jour: Ref. Zhur.-Khimiya, No 12, 1958, 39356.

Author : Prshibil, Koresch, Baztsa.

Inst : Not given.

Title : A Complexometric Determination of Mercury in Mercury-Containing Compounds. II. Determination of Mercury in Inorganic Mercury Compounds.

Orig Pub: Acta pharmac. hung., 1957, 27, No 4-5, 145-151.

Abstract: A complexometric method for determination of bivalent mercury is described in communication I (R Zh Khim., 1958, 7583) and is applied for the analysis of the series of inorganic mercury-containing compounds, which are converted prior to analysis into a form suitable for determination described in the method. Metallic mercury is dissolved in nitric acid. Hydroxycyanide of divalent mercury

Card : 1/2

20

HUNGARY/Analytical Chemistry. Inorganic Analysis.

E

Abs Jour: Ref. Zhur.-Khimiya, No 12, 1958, 39356.

and $\text{Hg}(\text{CN})_2$ are converted into well-dissociated compounds by treating with solid potassium nitrate and concentrated sulfuric acid solution and then boiling. HgS is destroyed by a mixture of concentrated sulfuric acid and concentrated hydrogen peroxide. NH_2HgCl is dissolved in HClO_4 (Cl^- is precipitated with silver nitrate), and HgI_2 is dissolved in a potassium iodide solution (in this case silver nitrate is added also, and the silver iodide formed is coagulated by boiling with potassium nitrate). HgCl_2 is dissolved in HNO_3 and bromine water, the excess bromine is removed with $\text{N}_2\text{H}_4 \cdot \text{H}_2\text{SO}_4$, then Br^- and Cl^- are precipitated with silver nitrate. The error of determination is to be expected to be from ± 0.005 to $\pm 0.1\%$.

Card : 2/2

21

L 8883-65 EWT(m)/EWP(q)/EWP(b) IJP(c)/AFWL/RAEM(t)/SSD JD

ACCESSION NR: AP4046463

S/0032/64/030/010/1181/1183

AUTHORS: Kopanitsa, M.; Konradi, O.; Prshibil, R.

TITLE: Polarographic determination of impurities in indium concentrates

SOURCE: Zavodskaya laboratoriya, v. 30, no. 10, 1964, 1181-1183

TOPIC TAGS: indium, impurity, polarographic analysis, contaminant extraction/ TTNA reagent

ABSTRACT: The authors developed a method of finding copper, lead, cadmium, tellurium, and thallium impurities in indium and indium-bearing matter. Separation of tellurium was accomplished by means of hydrogen bromide. A method was proposed to shorten and simplify earlier polarographic means of determining Cu, Pb, Cd and Tl impurities (T. V. Aref'yeva and Z. L. Yustus. Sbornik nauchnykh trudov Gintsvetmeta, 19, 730, M, 1962). The reagent TTNA (triethylenetetramine - N, N, N', N'', N''', N''', of hexaethanoic acid) was combined with hydrochloric acid in a gelatin solution as the principal extractive ingredient. Means are outlined by which various schemes and groupings of extraction can be effected, depending upon the indium composition. Several tests were run to verify the accuracy of using the proposed method. Known quantities of indium, zinc, iron, cobalt, magnesium, manganese, nickel, copper, lead, cadmium and thallium were mixed together, and, after

Card 1/2

L 8883-65

ACCESSION NR: APh046463

extraction had taken place; the extracted quantities were compared with the previous known quantities. The analysis proved quite accurate and required less time than previous means. A table of results and a detailed description of the analytical method are presented. Orig. art. has: 1 formula and 1 table.

ASSOCIATION: Polycrograficheskiy institut, Akademii nauk ChSSR Praha (Polarographic Institute, Academy of Sciences, Czechoslovakian SSR)

SUBMITTED: 00

ENCL: 00

SUB CODE: GC, HM

NO REF SOV: 003

OTHER: 003

Card 2/2

FRIBRAM, Karl

FA IT101

USSR/Fluorescence
Rare Earths

1 May 1947

"On the Fluorescence of Fluorite and Bivalent Rare
Earths," Karl Frshibram, 4 pp

"Dok Akad Nauk USSR Nov Ser" Vol LVI, No 4

For the bands of fluorescence of bivalent ions of
rare earths the following correspondences were dis-
covered: both elements preceding Gd - Sm and Eu -
are already fluorescent at room temperature, and the
two preceding Lutecium - Tu and Yb - only upon cool-
ing to a low temperature.

1T101

CZECHOSLOVAKIA/Cultivated Plants - Grains.

M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15502

Author : K. Prshikryl

Inst : Scientific Research Institute for Grains in Romjerdzina.

Title : The Winter Hardiness of Several Varieties of Winter Wheat.
(Zimostoykost' nekotorykh sortov ozimoy pshenitsy).

Orig Pub : Socialist. zemed., 1956, No 24, 1481-1488

Abstract : The results of research of the Scientific Research Institute for Grains in Romjerdzina (Czechoslovakia) in 1955-1956. The most winter hardy varieties proved to be the Slovenska intenzivno, Pavlovska, Slovenska 777, Radoshinska Karola, Khlumetska 12, Stupitska Bastard, Dobrovitska 10 and the Kashtitska osinata.

Card 1/1

19

CZECHOSLOVAKIA/Plants Diseases. Diseases of Forest Species.

C.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15961

Author : A. Prshigoda

Inst : -

Title : Oak Tracheomycosis.
(Trakheomikoz dubov).

Orig Pub : Lesn. prace, 1956, 35, No 6, 248-251

Abstract : No abstract.

Card 1/1

- 1 -

PRSHISOVSKIY, N.P., inzh.

Mobile high-tension capacitor unit. Prom.energ. 14 no.2:37-39 P '59.
(MIRA 12:3)

1. Giprosnakht, g. Leningrad.
(Electric capacitors)

PRSHIVORA

CZECHOSLOVAKIA / Zooparasitology - Acarina and insect-
vectors of disease pathogens G

Abs Jour: Ref Zhur - Biol., No 7, 1958, 29148

Author : Prshivora, Samshinyak

Inst : Not given

Title : A Dangerous Parasite Ophionyssus Natricis
(Gerv.) from Bred (?) Snakes.

Abstract: No abstract.

Card 1/1

1703 5 1980 18

1. *Microflora of stored grain*.

P-1

2. *For the purpose of the study, the grain was*

3. *stored in a*

4. *Microflora of stored grain*.

5. *For the purpose of the study, the grain was*

6. *The microflora of stored grain, the grain in harvest-*
*ing and storage consists of *Aspergillus* spp., *P.**
illinoisensis*, *Trichobacterium* spp., *Penicillium* spp., *S.
**glabrum*, *P. mycelium*, *Alternaria*, *Cladosporium* and*
others. When the moisture is 14-15%, the number of
microflora at the beginning of storage is somewhat greater.
The number of microflora in the grain is somewhat greater
and corresponds to the microflora of the
grain. The microflora of stored grain is charac-
*terized by the predominance of *Aspergillus* spp.*

CZECHOSLOVAKIA / Chemical Technology. Food Industry. H

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 75481.

Author : Volf, Glavachova, Prskavtsova, Mareshova.

Inst : Not given.

Title : A Change in Food Products Caused by Ionization.

Orig Pub: Zh. gigieny, epidemiol., microbiol., i immunol.
(Chekhosl.), 1958, I; No 2, 137-142.

Abstract: The Effect of X-rays upon microflora, ascorbic acid content, pepsin and diastase was studied. It was established that already at relatively small doses the content of ascorbic acid and the activity of ferments is decreased considerably in certain food products.

Card 1/1

PRZYCHODZKI, Michal; JESKE, Witold; GRYBOS, Jerzy

Analysis of causes of crippleness following fractures and dislocations. Chir.mars. ruchu. 20 no.3:215-225 '55.

1. Z Kliniki Ortopedycznej A M w Poznaniu Kierownik: prof. dr W. Dega, Poznan, ul. Dzierzynskiego 135

(FRACTURES, complications,
crippleness, causes)

(DISLOCATIONS, complications,
crippleness, causes)

(CRIPPLES,
after disloc. & fract., causes)

PRSZULOK, Jan

Side effects after intravenous application of novacaine. Polski
tygod.lek. 10 no.21:702-704 23 My '55.

1.(Z Oddziału Urazowo-Ortopedycznego Szpitala Miejskiego w
Rybniku; ordynator: dr J. Juszko)

(PROCAINE, injurious effects

allergic reactions after intravenous application)

(ALLERGY

to procaine)

Przyszczykowski, M.

P O L .

3210

000.10 : 610.755

Przyszczykowski A., Krzyżukowa M. A Cleanser for Easy Removal of Grease, Coal and Rust from the Hands.

„Opracowanie środka do łatwego zmywania z rąk smarów, węgla i rdzy”. (Prace Gl. Inst. Przem. Rol. i Spoż. No. 3), Warszawa, 1951, PWT, 3 pp.

A product in the form of paste for easy removal of grease, coal and rust from the hands. The most convenient granulation of the components of the paste, acting mechanically, is given. This paste contains 40% soft soap, 42% mechanically acting powders (ground pumice — stone and beech meal), 13% water and 5% agents against degreasing and drying of the skin (lanolin and glycerin). In the opinion of a number of factories the paste is very satisfactory for its purposes.

P O L .

Properties of magnesium hydroxide as catalyst and carrier in reduction-oxidation systems. Alfons Krause, Jerzy Rosochowicz, and Krystyna Przyłocka (Univ. Poznan, Poland). *Roczniki Chem.* 40, 333-34 (1964) (German summary).—Mg(OH)₂ catalyzes weakly the decomposition of H₂O₂ and the oxidation of indigo carmine by H₂O₂ at 37°. Traces of Ag⁺, Mn²⁺, Co²⁺, Ni²⁺, UO₂²⁺, Cr³⁺, and Fe³⁺ act as catalyst poisons. Cu²⁺ ions, even as low as 10⁻⁴ g./l. promote the action of Mg(OH)₂. The poisoning and promoting actions are explained by the formation or blocking of active spots on the surface of the Mg(OH)₂ carrier.

Michael Falk

ERTEA, TH.; SPACU, P.

Potentiometric determination of silver in the presence of other elements.
p. 55.

AN ALELE SERIA STINTELOR NATURII. Bucuresti, Rumania. Vol. 7, no. 20, 1958

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no.9, Sept., 1959

Uncl.

PRUBA, Mieczyslaw, mgr.inz.

Fuels, oils and lubricants for tropical climate on the high sea.
Bud'okretowe Warszawa 7 no.8:266-270 Ag '62.

1. Centralne Biuro Konstrukcji Okretowych nr 1, Gdansk.

JENICEK, Ladislav, dr., inz.; PRUCHA, Jaroslav, inz.

Defects of high-speed steel tools. Stroj vyr ll no.1:34-35
'63.

1. Statni vyzkumny ustav materialu a technologie (for Prucha).

FRUCTION

Distr: 4E2c/4E2b(e)

✓ The influence of structure on some properties of high speed steels. Josef Vobofil, Jaroslav Ježek, and Jif Prácha. *Materialový Sborník* 1958, 103-216 (Pub. 1959).
The structure and properties of 18-4-1 (W-Cr-V), 9-4-2, and 11-4-4 high-speed steels are discussed. Thermal treatment, metallography, and the so-called 2nd hardness are described. In order to study pptn. phenomena, x-ray structure analyses of the sepd. carbides have been made and investigated by electron microscopy. The quality of tool steels is mainly influenced by the structure of the steel and its heat-treatment. The formation of coarse carbide grains with nonhomogenous distribution must be avoided, as it reduces considerably the toughness of the steel. The secondary hardness is caused by the decay of residual austenite and the sepn. of the fibrous ppt. of VC.

F. H. Liden

1/2

11BR

PRUEA, M.

Researches on a new cylinder oil for superheated steam engines on the sterner Katowice during its voyage from Stettin to Ghana. p. 273

NAFTA. (Instytut Naftowy) Krakow, Poland, Vol. 15, No. 10, Oct. 1959.

Monthly list of East European Accession (EEAI) LC., Vol. 9, No. 1, Jan. 1960

Uncl.

SUCHOMEL, Jiri, inz.; PRUCHA, Antonin

Effect of technological development on the qualification of
dairy industry workers. Prum potravin 16 no.4:195-197 Ap '65.

1. Dairy Research Institute, Prague. Submitted August 6, 1964.

PRUBA, M.

"Cooling Agents Used In Machine-Tool Processes" p. 176. (Mechnik, Vol. 26, no. 4,
Apr. 1953, Warszawa)

East European Vol. 3, No. 2,
SO: Monthly List of ~~RUSSIAN~~ Accessions, Library of Congress, February, 1954 ~~1953~~, Uncl.

PRUBA, M.

"Influence of lubricants on the durability of copper-lead alloy bearings" (p. 45)
MECHANIZACJA I ELEKTRYFIKACJA ROLNICTWA (Panstwowe Wydawnictwo Rolnicze i Lesne)
Warszawa, Vol 6, No 2, Apr/June 1953.

SO: East European Accessions List, Vol 3, No 8, Aug 1954.

PRUCEK, J.; HLAVA, H.

Pyogenic *Corynebacterium* as a pathogen in osteomyelitis following a fracture. Acta chir. orthop. trauma. Cech. 28 no.6:546-548 D '61.

1. Klinika pro ortopedickou chirurgii PU v Olomouci, prednosta prof. dr. Arnold Pavlik Ustav lek. mikrobiologie PU v Olomouci, prednosta doc. dr. Eduard Marsalek.

(OSTEOMYELITIS microbiol) (CORYNEBACTERIUM infect)
(FRACTURES compl)

Wiley, Boston, 194. 220. 194. 194. 194.

Study of the latent consumption in electric dairies, Prun
potravín 15 nr.8:30-110. Ag 124.

1. Institute of Dairy Research, Prague.

Z/032/61/011/009/005/009
E073/E535

AUTHOR: Průcha, J.

TITLE: High-speed steel with sulphur

PERIODICAL: Strojírenství, 1961, Vol.11, No.9, p.712

TEXT: The influence of an increased sulphur content on the cutting properties and the machineability of two types of high-speed steel 19 800 and 19 810, manufactured on a laboratory scale at SVÚMT, was investigated. So far, machining tests carried out in cooperation with VÚOSO, Prague have not revealed any unequivocal improvement in the service life. Even exploratory tests on machining by drilling did not show any appreciable improvement of the machineability of steels containing sulphur additions.

1961, Prague: SVÚMT Z-60-907

[Abstractor's Note: Complete translation.]

Card 1/1

PRUCHA, Jan

Mathematical Linguistics in the Czechoslovak Academy of Sciences.
Vestník ČSAV '72 no.5:603-610 '63

PRUCHA, Jan

Statistical structure of the Czech language and the transmission of printed data. Sdel tech 11 no. 12: 449-450 D '63.

NECHVILE, Jiri, dr.; PRUCHA, Jan

Can you write clearly? Sdel tech 11 no.6:225 Je '63.

1. Ustav pro jazyk cesky (for Prucha).

PRUCHA, Jaroslav

In solid unity to the elections. Cs spoje 9 no.3:1-2 Je '64.

1. Chairman of the Central Committee of the Branch Unit of
Trade Unions.

PRUGHA, Jaroslav

Forty years of work. Letecký obzor 7 no.11:321 N°63.

1. Predseda Ustredniho vyboru odborove skupiny dopravy a spoju.

L 3128-66 EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(h)/EWP(z)/EWP(b)/EWP(l)/ETC(m) JD/WX

ACCESSION NR: AP5026869

CZ/0031/65/013/001/0019/0023

AUTHOR: Prucha, Jiri (Engineer); Esterka, Bohumir (Engineer)

30
B

TITLE: Proposed classification of Czechoslovak tool steels and a concept of their general standard

18 19

SOURCE: Strojirenska vyroba, v. 13, no. 1, 1965, 19-23

TOPIC TAGS: tool steel, scientific standard

ABSTRACT: The article proposes a classification of Czechoslovak tool steels according to the end use, based on their quality and the method of their heat treatment. Orig. art. has: 5 tables.

ASSOCIATION: SVUMT, Prague

SUBMITTED: 00

ENCL: 00

SUB CODE: MM, GO

NR REF SOV: 002

OTHER: 012

JPRS

Card 1/1

... of the ... and the
... of the ...
... 1965.

... State Research Institute of Physics and Technology, Prague.

PRUCHA, K.

Proved fireproof equipment for mines. Uhli 6 no. 2:74-75
F '64.

1. Sdruzeni kamenouhelnych dolu, Kladno.

The JVT 2 single-band carrier telephone for electric power plants.

P. 876. (SIASOPRO DY JEZOR) (Praha, Czechoslovakia) Vol. 18, no. 12, Dec. 1957

50: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

PRUCHA, Miloslav, ~~izv.~~: UHROVA, Marie, RMDr.

Acid cleaning of new high-pressure boilers. Energetika Cz 12 no.9:485-490 S '62.

1. Prvni brnenska strojirna, zavody Klementa Gottwalda, Brno.

KRAL, Arnost; PRUCHA, Miroslav

Pains in the temporomandibular joint. Plzen. lek. sborn. 23:
129-135 '64

1. Stomatologicka klinika lekarske fakulty University Karlovy
se sidlem v Plzni (prednosta: doc. MUDr. A. Edlan, DrSc.).

CZECHOSLOVAKIA

PROCHAZKA, V.; KAVKA, F.; PRUCHA, M.; PITRA, J.; Research Institute for Natural Drugs (Vyzkumny Ustav Prirodnich Leciv), Prague.

"Separation and Quantitative Determination of Alkaloids from Ergot of the Ergotoxine Type."

Prague, Ceskoslovenska Farmacie, Vol 15, No 7, Sep 66, pp 363-366

Abstract [Authors' English summary modified]: The method described uses paper and thin-layer chromatography. Thin-layer chromatography using wide-pore silica gel impregnated with formamide and alkalized with ammonia is used to separate ergosine, ergocristine, ergocornine, ergokryptine and the alkaloid EK 115; systems using benzene and an aliphatic hydrocarbon are used for qualitative separation; a mixture of light petroleum-ethyl acetate-1N NH₃ (65:35:1) is used for quantitative separation. Alkaloids eluted with a 1:2 mixture of benzene-chloroform are transferred to a 1% solution of tartaric acid and determined directly by ultraviolet spectroscopy. 4 Tables, 24 Western, 9 Czech references. (Manuscript received 2 Feb 66).

1/1

PRUCHA, M.

The significance of pH in local anesthesia. Cesk. stomat. 65
no.5:374-377 S '65.

1. Stomatologická klinika lékařské fakulty Karlovy University
v Plzni (prednosta doc. dr. A. Edlan, DrSc.).

TIKHONOV, N.S., BEPCHENSKIY, V.S.

Methodology of calculating cross sections of the body in
planning radiotherapy of tumors of organs in the thoracic cavity.
Med. rad. 9 no.11:62-64 N '64. (MIRA 18:9)

1. Rentgenodiagnosticheskiy otdel (zav. N.S. Tikhonov) TSentral'nogo
nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta
Ministerstva zdravookhraneniya SSSR, Leningrad.

PROCHAZKA, V. (Praha-Hloubetin, U Elektry 8); KAVKA, F.; PRUGHA, M.;
PITRA, J.

Determination of ergometrine, ergometrinine, ergotamine and
ergotaminine in ergot. Cesk. farm. 14 no.4:154-158 My '65.

1. Vyzkumny ustav prirodnich leciiv, Praha. Submitted December
15, 1964.

PRICHALIA, V.; LUKA, F.; KADUNA, M.; J.

Common method for determining ergometrine, ergometrine, ergotamine and ergotamine in solutions. Gask. farm. 13 no.15: 193-196 1964.

FRUCHA, S.

Calculations for communications transformers.
p. 150. SDELOVACI TECHNIKA. (Ministerstvo strojirenstvi)
Praha. Vol. 4. no. 5, May 1956.

SOURCE:

East European Accessions List, (EEAL), Library of
Congress Vol. 5, no. 12, December 1956.

2004, 2.

Provaznik, I.; Vachala, V. Equipment for multiple telemetering at great distances. p. 170.

ELABORATION UNIT, Praha, Vol. 16, no. 4, Apr. 1955.

30: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

ТИХОНОВ, К.Р., КОЛОДОВ, С.С., ПУШКИНОВ, В.С.

Röntgenological method: in the practice of planning radiotherapy.
Med. rad. 10 no.1:70-74 Jan '65. (MIRA 18:7)

1. Tsentral'nyy nauchno-issledovatel'skiy rentgeno-radiologicheskii
institut Ministerstva zdoravookhraneniya SSSR, Leningrad.

ACCESSION NR: AP4038146

S/0049/64/000/005/0688/0700

AUTHORS: Vinnik, L. P.; Pruchkina, N. M.

TITLE: Investigating the structure of short period microseisms

SOURCE: AN SSSR. Izv. Seriya geofizicheskaya, no. 5, 1964, 638-700

TOPIC TAGS: microseism, seismograph, random process, surface wave, short period vibration, photoamplifier F 117/3, galvanometer GB IV, oscillograph POB 12

ABSTRACT: Microseisms in the frequency range 0.5-5 cycles have been investigated. The method of analysis is based on the concept of a microseismic background as a statistical homogeneous random process, permitting use of the theory of steady random functions. The model considers two contributing sources: 1) the wave (regular) component and 2) vibrations not propagated to any great distance (irregular). The first is rather strong, the second weak. Data were obtained from three vertical seismographs (natural period of 1.5 sec), with F-117/3 photomultiplier and GB-IV galvanometer attached. The record was obtained on the photographic paper of a POB-12 oscillograph. Field observations were made in eastern Kazakhstan in the summer of 1961, in a hilly area on exposed granite bedrock, far from man-made noise. Correlation analysis indicates that the field of

Card 1/2

ACCESSION NR: AP4038146

the vortical component in short-period microseisms may have been formed by superposition of two or three surface waves from distant sources (distances greater than the wave length) with irregular vibration. The velocity of the surface waves is computed to be about 3000 m/sec, and the energy contribution is generally more than half the total energy involved in the record. The correlation interval of the irregular vibration is less than 400-600 m. Spectral analysis confirms the view that low-frequency contribution has added to the wave component. Conclusions cannot be final; they need critical analysis by confrontation with new experimental data. It appears probable, however, that the short-period waves are genetically related to longer-period first-order microseisms. The experiments were performed by L. P. Vinnik, programming was attended to by N. M. Pruchkina, field work and data processing were done by A. S. Deniskuv, V. P. Kirillina, and V. N. Tyulyukova. "In conclusion, the authors express their sincere thanks to V. F. Pisarenko, V. I. Keylis-Borok, and I. P. Pasechnik for valuable suggestions and for aid in the work." Orig. art. has: 6 figures, 1 table, and 14 formulas.

ASSOCIATION: Akademiya nauk SSSR Institut fiziki Zemli (Academy of Sciences SSSR, Institute of Physics of the Earth)

SUBMITTED: 26Jun63

DATE ACQ: 12Jun64

ENCL: 00

SUB CODE: ES

NO REF SOV: 002

OTHER: 002

Card 2/2

VINNIK, L.P.; PRUCHKINA, N.M.

Structure of short-period microseisms. Izv. AN SSSR. Ser.
geofiz. no.5:688-700 My '64. (MIRA 17:6)

1. Institut fiziki Zemli AN SSSR.

PRUCHNICKA, Maria

Findings on the human cornea during ulceration processes. Klin. oczna
27 no.4:577-589 1957.

1. Z Kliniki Chorob Oczu A. M. w Krakowie. Kierownik: prof. dr med.
M. Wilczek z Oddziału Ocznego Szpitala Miejskiego Nr 4 w Katowicach
Ordynator: dr K. Makowski.

(CORNEA, ulcers

corneal histol. during ulceration process (Pol))

ACC NR: AP7010680

SOURCE CODE: PO/0046/66/011/07-/0555/0566

AUTHOR: Majda, Stanislaw--Vayda, S.; Pruchnik, F.--Prukhnik, F.

ORG: Department of Inorganic Chemistry, Wroclaw University, Wroclaw
(Katedra chemii nieorganicznej uniwersytetu wroclawskiego)

TITLE: Isotopic exchange as a criterion of the structure of octahedral
 $[\text{Mo}(\text{NCS})_6]^{3-}$ Complexes. II. Isotopic exchange in the system $[\text{Mo}(\text{NCS})_6]^{3-}-\text{N}^{14}\text{CS}^-$

SOURCE: Nukleonika, v. 11, no. 7-8, 1966, 555-566

TOPIC TAGS: isotope, radioactive source, isotopic exchange, reaction
mechanism, molybdate

SUB CODE: 07,18

ABSTRACT: The exchange kinetics of radiocarbon in hexathiocyanatomolyb-
date (III) was examined. The exchange was found to proceed according
to the dissociation mechanism $\text{S}_{\text{N}}1$ after a certain induction period. On
the basis of these data the mechanism of isotopic exchange is given. The
magnitude of the activation energy (21.9 kcal/mole) suggests that the Mo-N
bonding is covalent but it is weaker than that in the chromium complex.
Orig. art. has: 9 figures and 7 tables. [Based on authors' Eng. Abst./
/NA/

Card 1/1

0950 2869

L 31430-66 EWP(j) RM

ACC NR: AP6023145

SOURCE CODE: PO/0046/66/011/001/0035/0046

AUTHOR: Wajda, Stanislaw; Pruchnik, Florian

ORG: Department of Inorganic Chemistry, Wroclaw University, Wroclaw (Katedra Chemii Nieorganicznej, Uniwersytet Wroclawski)

TITLE: Isotopic exchange as a criterion of the structure of octahedral [Me(CNS) sub 6] sup n- complexes. 1. Isotopic exchange in the system [Cr(CNS)-] sup 3- sup -14 CNS-

SOURCE: Nukleonika, v. 11, no. 1, 1966, 35-46

TOPIC TAGS: radioisotope, exchange reaction, reaction mechanism, activation energy, intermolecular complex, molecular structure

ABSTRACT: The kinetics of radiocarbon exchange in the hexathiocyanatochromate (III) ion was studied. It was found that the exchange proceeds according to the S_N2 association mechanism since the reaction order is equal to 2. On the basis of the existence of an induction period and its changes according to reagent concentrations and reaction order, the exchange mechanism is given. The data obtained enabled the activation energy of the exchange process to be calculated. Orig. art. has: 13 figures and 4 tables. [Based on authors' Eng. abst.] [NA]

SUB CODE: 07 / SUBM DATE: 07Oct65 / SOV REF: 001 / OTH REF: 006

Card 1/1

FRUCKNER, J.

Use of punched cards for technical records in spinning mills. p.43.
(Textil, Vol. 12, No. 2, Feb. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

PRUCSI, A.

"Technology of Cutting Plywood", P. 218, (FAIPAR, Vol. 4, No. 7, July 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

PRADA, H.

(D. J. 1954)

2

621.88.004.57 : 621.371

Praca M. Regenerating Used Lubricants

„Regeneracja olejów przepracowanych”. Mechanizacja i Elektryfikacja Rolnictwa. No. 1, 1953, pp. 43-49, 13 figs., 2 tabs.

A short discussion relating to the changes taking place in lubricants in relation to the length of time they are used in the engine and the method of refining employed during production. Classification of methods of regenerating: acid, mechanical and mechanical-contact (mechanical plus coagulative-absorptive factors). Discussion relating to the construction and operation of sedimentary arrangements, normal filters, super filters, filter presses and separators, as also concerning the results obtained with them. Principles of filtering with an addition of infusorial earth. Enumeration of chemical regenerating methods and a short description of the foundations and successive stages of operations. Table of permissible tolerances in relation to fresh lubricant standards for regenerated lubricants.

8-30-54
JJP

Polish Technical Abst.

No. 1 1954

Mechanics, Electrotechnics,
Power

PRUDAN, Radojka, dr.

A case of pregnancy in a rudimentary uterine cornu. Srpski arh.
celok. lek. 88 no.12:1255-1257 D '60.

1. Ginekolosko-akusersko odeljenje Opste bolnice u Prizrenu. Sef:
dr Radojka Prudan.

(UTERUS abnorm) (PREGNANCY compl)

PRUDAN, Radojka

Genital tuberculosis in the Prizren Region. Tuberkuloza, Feogr.
12 no.4:416-420 '60.

1. Ginekolosko-akusersko odeljenje Opste bolnice u Prizrenu (sef:
dr R.Prudan)
(TUBERCULOSISI FEMALE GENITAL epidemiol)

PRUDAN, Radojka

A case of torsion of the pregnant uterus. Srpski arh. celok.lek.
88 no.2:217-220 F '60.

1. Ginekoloska-akusersko odeljenje Opste bolnice u Prizrenu,
Chef: dr. Radojka Prudan.
(PREGNANCY compl.)
(UTERUS dis.)

PRUDAN, Radojka

Vaccination in pregnancy. Med. pregl. 18 no.1:43-48 '65.

1. Klinika za ginekologiju i akuserstvo Klinicke bolnice
u Novom Sadu (Nacelnik: prof. dr. Slavko Djuriscic).

PRUNDARU, S.

Top brigades. Constr Buc 14 no. 675: 2 15 December 1962.

ANKUDINOV, L.; PRUDAYEV, P.

Construction of industrial enterprises by specialized administrations.
Na stroi. Ros. 3 no.2:2-4, F '62. (MIRA 16:2)

1. Upravlyayushchiy ordena Lenina trestom Magnitostroy (for Ankudinov).
2. Nachal'nik planovogo otдела tresta Magnitostroy (for Prudayev).
(Industrial plants) (Construction industry)

PRUDAYEV, P.

New form of computations for the operation of construction equipment. Na stroi.Ros.4 no.6:7-8 Je '63. (MIRA 16:6)

1. Nachal'nik planovogo otдела tresta Magnitostroy.
(Construction equipment)

PRUDATEV, P.F. inzhener.

Experience in introducing business accounting for work brigades in housing construction. Biul.stroi.tekh. 9 no.2:9-11 Ja '52.(MLRA 9:4)

1.Trest Magnitostroy.
(Construction industry--Accounting)

1. FRUDAYEV, P.F.
2. USSR (600)
4. Construction Industry
7. Effectiveness of specialization in building construction, Stroitel'stvo no. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

PRUDAYEV, Petr Fedorovich; LEYKIN, B.P., red; TARAYEVA, Ye.K., red. izd-va;
STEPANOVA, E.S., tekhn. red.

[Specialization in general construction work; practices of the
Magnitostroi trust] Spetsializatsiia v proizvodstve obshchestroitel'-
nykh rabot; iz opyta tresta Magnitostroi. Moskva, Gos. izd-vo lit-ry
po stroit. i arkhitekt., 1958. 63 p. (MIRA 11:7)
(Construction industry)

BARKHASH, V.A.; SMIRNOVA, G.P.; PRUDCHENKO, A.T.; MACHINSKAYA, I.V.

Addition of α -alkylidene groups to some cyclanones. Zhur.ob.khim.
33 no.7:2202-2208 J1 '63. (MIRA 16:8)

1. Moskovskoy khimiko-tekhnologicheskij institut im. D.I.Mendeleyeva.
(Cycloalkanones)

MACHINSKAYA, I.V.; BARKHASH, V.A.; PRUDCHENKO, A.T.

Some properties of enol acetates. Part 5: Vinylation of
carbonyl compounds. Zhur.ob.khim. 30 no.7:2357-2362
Jl '60. (MIRA 13:7)

1. Moskovskiy khimiko-tekhnologicheskij institut imeni
D.I. Mendeleeva.
(Vinylation) (Enols)

VOROZHTSOV, N.N., mladshiy; BARKHASH, V.A.; PRUDCHENKO, A.T.; SHCHEGOLEVA, G.S.

Pentafluorobenzoylacetic ester. Zhur. ob. khim. 35 no.8;
1501 Ag '65. (MIRA 18:8)

1. Novosibirskiy Institut organicheskoy khimii Sibirskogo
otdeleniya AN SSSR.

POPOV, A.G.; BAKHACH, V.A.; VERBIL, N.N. mla:stt:

Antifluorobenzoylpyridine ester. 13. 10.10.1998-
1203 '65. (MIRA 12:10)

1. Novosibirskiy institut organicheskoy khimii Sibirskiy
otdeliya AN SSSR.

VOROZHTSOV, N.N., mladshiy; BARKHASH, V.A.; PRUDCHENKO, A.T.; KHOMENKO, T.I.

Synthesis of polyfluoro derivatives of γ -benzopyrone. Zhur.
ob. khim. 35 no.8:1501-1502 Ag '65. (MIRA 18:8)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo
otdeleniya AN SSSR.

VOROZHTSOV, N.M., mladshiy; BARKHACH, V.A.; FRUDCHENKO, A.T.; KHMENKO, T.I.

Synthesis of polyfluorinated chromones and flavones. Dokl. AN SSSR
164 no.5:1046-1049 O 1965. (MIRA 18:10)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo otdeleniya
AN SSSR. 2. Chlen-korrespondent AN SSSR (for Vorozhtsov).

MACHINSKAYA, I.V.; BARKHASH, V.A.; PRUDCHENKO, A.T.

Some properties of enol acetates. Part 6: Bromo-substituted
enol acetates in the Wurtz-Grignard reaction. Zhur.ob.khim.
30 no.7:2363-2366 J1 '60. (MIRA 13:7)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni
D.I.Mendeleyeva.

(Enols)

PRUDEK, L., inz.; LAZAREV, I., inz.

Coal homogenization, a condition for making metallurgic coke of uniform quality. Paliva 42 no.11:325-330 N '62.

1. Vyzkumny a zkusebni ustav, Nova hut Klementa Gottwalda, koksarensky vyzkum.

MEDRICKY, Z. inz.; KLIMEK, J.; PRUDEK, L., inz.

Shall we make use of the selective grinding method? Paliva
43 no.9:265-268 S'63.

1. Vyzkumny a zkusebni ustav, Nova hut Klementa Gottwalda,
Koksarensky vyzkum.

LAZAREV, I., inz.; PRUDEK, L., inz.

Use of lignite for making metallurgic coke. Paliva 42 no.10:301-302 0 '62.

1. Vyzkumny a zkusebni ustav, Nova hut Klementa Gottwalda, koksarsensky vyzkum.

LAZAREV, I., inz.; PRUDEK, L., inz.

Proposed coal mixture for the caking plant of the Vychodoslovenske
zalezarny. Paliva 43 no.5:143-147 My '63.

1. Vyzkumny a zkusebni ustav, Nova hut Klementa Gottwalda,
Koksarsensky vyzkum.

LAZAREV, I., inz.; PRUDEK, L., inz.

Use of lignite for metallurgical coke production. Paliva
42 no.7:193-196 JI '62.

1. Vyzkumny a zkusebni ustav, Nova Hut Klementa Gottwalda,
koksarensky vyzkum.

PRUDEK, Milos, inz.

Solved task on Indian corn breeding technique. Vest ust
zemedel 11 no.2/3:47-48 '64.

1. Plant Research Station, Lednice na Morave.

68-58-3-2/22

AUTHORS: Finkel'shteyn, P.K. and Prudenko, V.A.

TITLE: A New Method of Determining the Caking Index and the Degree of Metamorphism (Rank) of Coals (Novyy metod opredeleniya pokazateley spekeyemosti i stepeni metamorfizma ugley)

PERIODICAL: Koks i Khimiya, 1958, Nr 3, pp 6 -12 (USSR).

ABSTRACT: A method of rapid and accurate determination of the yield of carbonisation products using a lg sample of coal was developed. The description of the apparatus (Fig.1) and experimental procedure are given. On the assumption that the amount of tar evolved during semi-coking is proportional or even equal to the amount of liquid products responsible for coal plasticity and the amount of oxygen containing products of the smallest molecular weight (pyrogenic H_2O and CO_2 and CO) is proportional to that part of the coal substance which is unstable and does not participate in the formation of plastic mass, two new indices characterising the coking properties of coal are proposed. Plasticity index:

Card 1/3

68-58-3-2/22

A New Method of Determining the Caking Index and the Degree of Metamorphism (Rank) of Coals

$$\frac{\text{tar \% (100 - ash)}}{\left[\text{H}_2\text{O \%} + (\text{CO}_2 + \text{CO})\% \right]} \cdot 100 \quad \text{and fluidity index} =$$

$$\frac{\text{Plasticity index} \cdot 100}{\text{Yield of semicoke \%}}$$

As the analysis of the gas evolved from a 1g sample of coal during semi-coking for CO and CO₂ is impossible, a relationship between the gas density and its CO + CO₂ content for various volatile matter contents of coals was established (Fig.2), on the basis of which the formula for plasticity index takes the following form:

$$\text{Plasticity index} = \frac{\text{tar \% (100 - ash)}}{\left\{ \text{pyrogenic H}_2\text{O \%} + [v(d - 0.6) \cdot 0.15] \% \right\}} \cdot 100$$

where v - volatile matter content of coal.

Card 2/3

68-58-3-2/22

A New Method of Determining the Caking Index and the Degree of Metamorphism (Rank) of Coals

The plasticity coefficient was correlated with the thickness of the plastic layer for the majority of coals (Table 1). A new index of the degree of metamorphism of coals (rank) was also proposed - this is the ratio of the sum of pyrogenic water and carbon monoxide and dioxide obtained on coking to 555 °C expressed in weight percent to the ash-free coal substance. It is claimed that this index of rank is more sensitive than that based on the volatile matter content of coal (Tables 2 and 3). There are 3 tables, 2 figures and 6 Soviet references.

ASSOCIATION: Dnepropetrovskiy khimiko-tekhnologicheskii institut
(Dnepropetrovsk Institute of Chemical Technology)

Card 3/3

PRUGAR, JAROSLAV

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their
Application. Food Industry.

H-28

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 16011.

Author : Prugar Jaroslav

Inst :

Title : Importance of Wheat Quality in the Production of High Grade
Flour and Farinaceous Products.

Orig Pub: Prumysl potravin, 1957, 8, No 9, 471-474.

Abstract: No abstract.

Card : 1/1

Prudenko
FINKEL'SHTEIN, P.K.; PRUDENKO, V.A.

New method for determining indexes of caking capacity and degree of metamorphism of coal. Koks i khim. no.3:6-12 '58. (MIRA 11:3)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut.
(Coal--Testing)

FRUDENSKIY, G.

Comprehensiveness and problems in the classification and analysis
of potentials. *B¹ul.nauch.inform.s* trud 1 zar.plata 5 no.11:19-
25 '62. (MIRA 15:12)
(Industrial management) (Labor productivity)

PRUDENSKIY, G. (Novosibirsk)

Mathematical economics methods and problems of production
organization. Vop.ekon. no.4:121-126 Ap '63. (MIRA 16:4)
(Economics, Mathematical) (Electronic data processing)

PRUDENSKIY, G.

Uniform system of the analysis of potentials for increasing labor
productivity. Sots. trud 8 no.9:20-30 S '63. (MIRA 16:10)

1. Chlen-korrespondent AN SSSR.

PRUDENSKIY, G.

Our work through our eyes ("Problems in the economic of labor" by
S.G. Strumilin. Review by G. Prudenskiy). Vop. ekon. no.11:121-127
N '57. (MIRA 11:2)

(Labor and laboring classes)
(Strumilin, S.G.)

PRUDELSKIY, G.

Let's strengthen contacts between science and industry.
Sov.profsoiuzy 7 no.15:15-16 Ag '59. (MIRA 12:12)

1. Direktor Instituta ekonomiki i organizatsii promyshlennoso
proizvodstva Sibirskogo otdeleniya AN SSSR.
(Efficiency, Industrial)

PRUDENSKIY, G. (Novosibirsk)

Improving production organization and problems of working time.
Vop. ekon. no.1:51-58 Ja '60. (MIRA 13:1)
(Novosibirsk--Industrial management) (Time study)

PRUDENSKIY, G.

Study more deeply the labor problems in the building of communism.
Sots. trud 6 no. 11:35-45 N 161. (MIRA 14:11)

1. Chlen-korrespondent AN SSSR.
(Labor and laboring classes--Research)

PRUDENSKIY, G.

Working time is an important problem of the science of economics.

Sots.trud 4 no.6:11-19 Je '59.

(MIRA 12:8)

(Time study)

PRUDENSKIY, G. A.

Rezervy proizvoditel'nosti truda na mashinostroitel'nykh zavodakh. (Vestn. Mashn., 1948, no. 4, p. 63-67).

Refers to Ural plants.

Reserves of operating efficiency in machine-building plants.

DLC: TML.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

Pravitskiy, G. A. "Study Stekhanovite working methods", Vestnik mashinostroyeniya, 1943, No. 12, p. 49-56, - Bibliog: 9 items, (Conclusion: beginning: NO. 11).

SO: U-2230, 12 Feb. 53, (Katoris' zhurnal 'nykh Statey, No. 2, 1949).

PRUDENSKIY, G.

33975 PRUDENSKIY, G. Vsyestoronnaye
Ispolzovaniye rezervy Povysheniya
Proizvoditelnosti Truda (V Promyshlennosti)
Voprosy Ekonomiki, 1949
No. 9, S. 14-27

SO: Letopis' Zhurnal'nykh Statey, Vol. 42, Moskva, 1949

PRUDFNSKIY, G. A.

USSE (600)

Technology

For scientific generalization and diffusion of the knowledge of Stakhanovite methods of work, (Moskva), Gos. izd-vo polit. lit-ry, 1951.

Monthly List of Russian Accessions, Library of Congress, March 1952. UNCLASSIFIED.

Standardization

Inquiry into problems of technical standardization. Vol. ekon. no. 2, 1952.

Monthly List of Russian Accessions. Library of Congress March 1952 Unclassified